# Translation

## PATENT COOPERATION TREATY

# **PCT**



# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 663703	FOR FURTHER ACTION  SeeNotification of Transmittal of International Preliminal Examination Report (Form PCT/IPEA/416)				
International application No. PCT/JP2003/002420	International filing date (day/month/year)  03 March 2003 (03 03 2002)	Priority date (day/month/year)			
International Patent Classification (IPC) or H01L 29/792	national classification and IPC	05 March 2002 (05.03.2002)			
Applicant					
	SHARP KABUSHIKI KAISHA				
2. This REPORT consists of a total of	4 sheets, including this cover sh	neet.			
This report is also accompanion amended and are the basis for 70.16 and Section 607 of the A	d by ANNEXES, i.e., sheets of the description this report and/or sheets containing rectification and instructions under the PCT).				
These annexes consist of a total	l of sheets.				
3. This report contains indications relation	g to the following items:				
Basis of the report					
II Priority					
III Non-establishment of	opinion with regard to novelty, inventive step				
IV Lack of unity of inven	ion	and industrial applicability			
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;					
VI Certain documents cite					
VII Certain defects in the international application					
	the international application				
ate of submission of the demand	Domesti				
31 July 2003 (31.07.2003	Date of completion of the				
	27 Novem	nber 2003 (27.11.2003)			
me and mailing address of the IPEA/JP	Authorized officer	Authorized officer			
esimile No.					
m PCT/IPEA/409 (cover sheet) (July 1998)	Telephone No.				



International application No.

PCT/JP2003/002420

I. Basis	s of the report	
1. With	n regard to the elements of the international application:*	
	the international application as originally filed	
	the description:	
	70000	
	nages	, as originally filed
 	pages, filed with the letter of	, filed with the demand
	the claims:	
لــا		
		, as originally filed
	pages, as amended (together with ar	
	, filed with the letter of	
	the drawings:	
	pages	, as originally filed
	pages	, filed with the demand
	pages, filed with the letter of	
	he sequence listing part of the description:	
	no con	
	pages	, as originally filed
	pages, filed with the letter of	, filed with the demand
These	the language of a translation furnished for the purposes of international search (under Rule 23.1( the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examinor 55.3).	b)). ation (under Rule 55.2 and/
	contained in the international application in written form.  filed together with the international application in computer readable form.  furnished subsequently to this Authority in written form.  furnished subsequently to this Authority in computer readable form.  The statement that the subsequently furnished written sequence listing does not go bey international application as filed has been furnished.	
	The statement that the information recorded in computer readable form is identical to the v been furnished.	written sequence listing has
. [] [	The amendments have resulted in the cancellation of:  the description, pages the claims, Nos. the drawings, sheets/fig	•
	This report has been established as if (some of) the amendments had not been made, since they beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	
and 70.	ement sheets which have been furnished to the receiving Office in response to an invitation unde report as "originally filed" and are not annexed to this report since they do not contain .17).	n amendments (Rule 70.16
' Any rep	placement sheet containing such amendments must be referred to under item 1 and annexed to thi	s report.

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tatement			
Novelty (N)	Claims	6, 10	YES
	Claims	1-5, 7-9, 11-13	NO
Inventive step (IS)	Claims	6	YES
	Claims	1-5, 7-13	NO
Industrial applicability (IA)	Claims	1-13	YES
	Claims		NO

2. Citations and explanations

Document 1: US, 6335554, B1 (Toshiba Corp.), 1 January, 2002 (01.01.02)

Document 2: JP, 63-204770, A (Oki Electric Industry Co., Ltd.), 24 August, 1988 (24.08.88)

Document 3: US, 4881108, A (Toshiba Corp.), 14 November, 1989 (14.11.89) Document 4: US, 5838041, A (Toshiba Corp.), 17 November, 1998 (17.11.98) Document 5: US, 6329247, B1 (NEC Corp.), 11 December, 2001 (11.12.01) Document 6: US, 6316317, B1 (NEC Corp.), 13 November, 2001 (13.11.01)

The subject matters of claims 1-5, 7-9 and 11-13 do not appear to be novel or to involve an inventive step, since they are described in document 1 (columns 6-8), document 2 (pages 3-5), document 3 (columns 1-6) and document 4 (columns 4-10) respectively cited in the ISR.

The subject matter of claim 10 does not appear to involve an inventive step in view of documents 1-4, document 5 (columns 2-5) and document 6 (columns 6-11) respectively cited in the ISR. A person skilled in the art could have easily employed the constitution described in document 5 or 6 in which the thickness of a gate insulating film of a memory transistor is thicker than the thickness of a gate insulating film of a selected transistor, in the gate insulating films of any of documents 1-4.

The subject matter of claim 6 is neither described in any of the documents cited in the ISR nor obvious to a person skilled in the art.

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ional application No.

VI. Certain documents cited  1. Certain published documents (Rule 70.10)							
JP 2002-164446 A [E, X]	07.06.02	02.11.00	12.09.00				

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure

Date of non-written disclosure (day/month/year)

Date of written disclosure referring to non-written disclosure (day/month/year)

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